

## ABSTRACT

An ultrapure water production plant that can produce ultrapure water with an extremely low rate of impurity concentration such as dissolved oxygen concentration, etc., is provided. A primary pure water is introduced and a catalyst mixed tower 4, wherein catalyst supports strong base anion exchange resins are mixed and filled, is located in the downstream of the ultraviolet oxidation equipment of the ultrapure water production plant 1 producing ultrapure water. Further in the latter part of the catalyst mixed tower 4, membrane degasser 5 and demineralization equipment 6 are located. Hydrogen peroxide generated in the ultraviolet oxidation equipment 3 etc., is decomposed by contacting the catalyst supports filled in the catalyst mixed tower 4 and thus decomposition of the strong base anion exchange resins is inhibited. Therefore, dissolved materials from the catalyst mixed tower 4 are reduced so the quality of the water can be increased and at the same time, the load of the demineralization equipment 6 provided on the downstream can be lowered.